

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-26: cancelled

Claim 27 (currently amended): An isolated polynucleotide comprising:

- (a) a nucleotide sequence encoding a sterol delta-14 reductase polypeptide, wherein the polypeptide has an amino acid sequence of at least 85% sequence identity, based on the ~~Clustal-V~~ Clustal method of alignment wherein the default parameters for multiple alignment are GAP PENALTY=10, GAP LENGTH PENALTY=10 and default parameters for pairwise alignments are KTUPLE 1, GAP PENALTY=3, WINDOW=5 and DIAGONALS SAVED=5, when compared to one of SEQ ID NO: 6 or 8, or
- (b) a complement of the nucleotide sequence, wherein the complement and the nucleotide sequence consist of the same number of nucleotides and are 100% complementary.

Claim 28 (currently amended): The polynucleotide of Claim 27, wherein the amino acid sequence of the polypeptide has at least 90% sequence identity, based on the ~~Clustal-V~~ Clustal method of alignment wherein the default parameters for multiple alignment are GAP PENALTY=10, GAP LENGTH PENALTY=10 and default parameters for pairwise alignments are KTUPLE 1, GAP PENALTY=3, WINDOW=5 and DIAGONALS SAVED=5, when compared to one of SEQ ID NO:6 or 8.

Claim 29 (currently amended): The polynucleotide of Claim 27, wherein the amino acid sequence of the polypeptide has at least 95% sequence identity, based on the ~~Clustal-V~~ Clustal method of alignment wherein the default parameters for multiple alignment are GAP PENALTY=10, GAP LENGTH PENALTY=10 and default parameters for pairwise alignments are KTUPLE 1, GAP PENALTY=3, WINDOW=5 and DIAGONALS SAVED=5, when compared to one of SEQ ID NO:6 or 8.

Claim 30 (previously presented): The polynucleotide of Claim 27, wherein the amino acid sequence of the polypeptide comprises one of SEQ ID NO:6 or 8.

Claim 31 (previously presented): The polynucleotide of Claim 27 wherein the nucleotide sequence comprises one of SEQ ID NO: 5 or 7.

Claim 32 (previously presented): A vector comprising the polynucleotide of Claim 27.

Claim 33 (previously presented): A recombinant DNA construct comprising the polynucleotide of Claim 27 operably linked to at least one regulatory sequence.

Claim 34 (previously presented): A method for transforming a cell, comprising transforming a cell with the polynucleotide of Claim 27.

Claim 35 (previously presented): A cell comprising the recombinant DNA construct of Claim 33.

Claim 36 (previously presented): A method for producing a plant comprising transforming a plant cell with the polynucleotide of Claim 27 and regenerating a plant from the transformed plant cell.

Claim 37 (previously presented): A plant comprising the recombinant DNA construct of Claim 33.

Claim 38 (previously presented): A seed comprising the recombinant DNA construct of Claim 33.